



2488-1-012PCTUS Sequence Listing.txt

SEQUENCE LISTING

<110> Nunn, Miles Andrew

<120> Complement Inhibitors

<130> 2488-1-012PCT/US

<140> 10/558,937

<141> 2007-01-29

<150> PCT/GB2004/002341

<151> 2004-06-02

<150> GB0327386.9

<151> 2003-11-25

<150> GB0312619.0

<151> 2003-06-02

<160> 19

<170> FastSEQ for Windows Version 4.0

<210> 1

<211> 507

<212> DNA

<213> Ornithodoros moubata

<400> 1

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gaaagcgact gcactggaaag cgaacctgtt gacgccttcc aagctttcag tgagggcaaa 120
gaggcatatg tcctggtag gtcacacggat cccaaagcga gggactgctt gaaaggagaa 180
ccagccggag aaaaggcagga caacacgtt ccgggtatga tgacgtttaa gaatggcaca 240
gactgggctt caaccgattt gacgtttact ttggacggcg caaaggtaac ggcaaccctt 300
ggtaacctaa cccaaaatag ggaagtggtc tacgactcgc aaagtcatca ctgcccacgtt 360
gacaaggctcg agaaggaagt tccagattat gagatgttgg tgctcgatgc gggagggctt 420
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atgtatcccc atctcaaggaa ctgcttag 507

<210> 2

<211> 168

<212> PRT

<213> Ornithodoros moubata

<400> 2

Met Leu Val Leu Val Thr Leu Ile Phe Ser Phe Ser Ala Asn Ile Ala
1 5 10 15
Tyr Ala Asp Ser Glu Ser Asp Cys Thr Gly Ser Glu Pro Val Asp Ala
20 25 30
Phe Gln Ala Phe Ser Glu Gly Lys Glu Ala Tyr Val Leu Val Arg Ser
35 40 45
Thr Asp Pro Lys Ala Arg Asp Cys Leu Lys Gly Glu Pro Ala Gly Glu
50 55 60
Lys Gln Asp Asn Thr Leu Pro Val Met Met Thr Phe Lys Asn Gly Thr
65 70 75 80
Asp Trp Ala Ser Thr Asp Trp Thr Phe Thr Leu Asp Gly Ala Lys Val
85 90 95
Thr Ala Thr Leu Gly Asn Leu Thr Gln Asn Arg Glu Val Val Tyr Asp
100 105 110
Ser Gln Ser His His Cys His Val Asp Lys Val Glu Lys Glu Val Pro

2488-1-012PCTUS Sequence Listing.txt

<210> 3
<211> 163
<212> PRT
<213> *Ornithodoros savignyi*

<400> 3
 Met Met Leu Val Leu Ala Thr Val Ile Leu Ser Phe Ser Ala Ser Thr
 1 5 10 15
 Ala Leu Ala Asp Cys Pro Thr Gly Lys Pro Thr Glu Ala Tyr Val Ala
 20 25 30
 Phe Asn Glu Gly Lys Gly Ala Tyr Ile Leu Val Arg Ser Thr Asn Leu
 35 40 45
 Asn Ala Arg Asp Cys Leu Lys Gly Glu Ala Thr Gly Lys Lys Glu Gly
 50 55 60
 Asn Thr Leu Pro Val Met Met Ala Phe Lys Asp Glu Gly Lys Trp Val
 65 70 75 80
 Ser Leu Pro Trp Thr Phe Thr Leu Asp Gly Pro Lys Val Thr Ala Thr
 85 90 95
 His Gly Gln Arg Thr Leu Lys Gly Glu Val Val Tyr Asp Val Pro Ser
 100 105 110
 His His Cys His Ile Glu Lys Leu Glu Ser Gly Ala Tyr Asp Met Trp
 115 120 125
 Met Leu Glu Ala Gly Gly Leu Glu Val Asp Ile Glu Cys Cys Asn Lys
 130 135 140
 Arg Tyr Asp Glu Leu Thr Ser Gly Gln Val Val Ile Arg Pro Gln Asp
 145 150 155 160
 Lys Asp Cys

<210> 4
<211> 163
<212> PRT
<213> *Ornithodoros savignyi*

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<400> 4
Met Met Leu Val Leu Ala Thr Val Ile Leu Ser Phe Ser Ala Ser Thr
      5          10          15
Ala Leu Ala Asp Cys Pro Thr Gly Lys Pro Thr Asp Ala Tyr Val Ala
      20          25          30
Phe Asn Glu Gly Gln Gly Ala Tyr Ile Leu Val Lys Ser Thr Asp Leu
      35          40          45
Asp Ala Arg Asp Cys Leu Lys Gly Ser Ala Thr Gly Lys Lys Glu Gly
      50          55          60
Asn Lys Val Pro Val Met Met Ala Phe Lys Asn Glu Gly Gln Trp Val
      65          70          75          80
Ser Leu Pro Trp Thr Phe Thr Leu Asp Gly Pro Lys Val Thr Ala Thr
      85          90          95
Asp Gly Gln Arg Thr Leu Lys Arg Glu Val Val Tyr Asp Val Ala Ser
      100         105         110
His His Cys His Val Glu Lys Leu Ala Ser Gly Ala Tyr Glu Met Trp
      115         120         125
Met Leu Glu Ala Gly Gly Leu Glu Val Asp Ile Glu Cys Cys Asn Lys
      130         135         140

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2488-1-012PCTUS Sequence Listing.txt

Lys Tyr Asp Glu Leu Thr Ser Gly Gln Val Val Ile Arg Pro Gln Asp
 145 150 155 160
 Lys Asp Cys

<210> 5
 <211> 171
 <212> PRT
 <213> Ornithodoros moubata

<400> 5
 Met Met Leu Val Leu Thr Thr Leu Ile Phe Ser Phe Ser Ala Ser Ile
 1 5 10 15
 Ala Tyr Ala Gln Ser Gly Cys Ser Val Ser Asp Pro Leu Asp Ala Leu
 20 25 30
 Lys Ala Phe Lys Asp Gly Ala Gly Thr Phe Leu Leu Gln Lys Ser Thr
 35 40 45
 Asp Pro Gln Ala Arg Asp Cys Leu Lys Gly Thr Pro Asn Gly Asn Arg
 50 55 60
 Asp Gly Asn Thr Leu Pro Val Thr Met Thr Tyr Lys Asp Asp Ser Lys
 65 70 75 80
 Trp Val Ser Leu Asn Trp Met Phe Thr Leu Glu Gly Ala Asn Ile Val
 85 90 95
 Ala Thr Leu Glu Gly Lys Arg Lys Gln Arg Gly Glu Leu Val Tyr Asp
 100 105 110
 Val Gln Ser His Asp Cys His Ile Thr Lys Leu Ser Ser Gly Val Tyr
 115 120 125
 Gln Gln Trp Gln Ser Asn Gly Ser Ala Asp Asp Lys Asp Ile Lys Cys
 130 135 140
 Cys Asp Glu Lys Phe Lys Glu Leu Thr Ser Gly Ile Asp Tyr Thr Lys
 145 150 155 160
 Pro Gln Glu Lys Gly Cys Glu Thr Ser Ala Lys
 165 170

<210> 6
 <211> 168
 <212> PRT
 <213> Ornithodoros moubata

<400> 6
 Met Leu Val Leu Val Thr Leu Ile Phe Ser Phe Ser Ala Asn Ile Ala
 1 5 10 15
 Tyr Ala Asp Ser Glu Ser Asp Cys Ser Gly Ser Glu Pro Val Asp Ala
 20 25 30
 Phe Gln Ala Phe Ser Glu Gly Lys Glu Ala Tyr Val Leu Val Arg Ser
 35 40 45
 Thr Asp Pro Lys Ala Arg Asp Cys Leu Lys Gly Glu Pro Ala Gly Glu
 50 55 60
 Lys Gln Asp Asn Thr Leu Pro Val Met Met Thr Phe Lys Asn Gly Thr
 65 70 75 80
 Asp Trp Ala Ser Thr Asp Trp Thr Phe Thr Leu Asp Gly Ala Lys Val
 85 90 95
 Thr Ala Thr Leu Gly Asn Leu Thr Gln Asn Arg Glu Val Val Tyr Asp
 100 105 110
 Ser Gln Ser His His Cys His Val Asp Lys Val Glu Lys Glu Val Pro
 115 120 125
 Asp Tyr Glu Met Trp Met Leu Asp Ala Gly Gly Leu Glu Val Glu Val
 130 135 140
 Glu Cys Cys Arg Gln Lys Leu Glu Glu Leu Ala Ser Gly Arg Asn Gln
 145 150 155 160
 Met Tyr Pro His Leu Lys Asp Cys

<210> 7
 <211> 163
 <212> PRT
 <213> Ornithodoros savignyi

<400> 7
 Met Met Leu Val Leu Ala Thr Val Ile Leu Ser Phe Ser Ala Ser Thr
 1 5 10 15
 Ala Leu Ala Asp Cys Pro Thr Gly Lys Pro Thr Glu Ala Tyr Val Ala
 20 25 30
 Phe Asn Glu Gly Lys Gly Ala Tyr Ile Leu Val Arg Ser Thr Asn Leu
 35 40 45
 Asn Ala Arg Asp Cys Leu Lys Gly Glu Ala Thr Gly Lys Lys Glu Gly
 50 55 60
 Asn Thr Leu Pro Val Met Met Ala Phe Lys Asp Glu Gly Lys Trp Val
 65 70 75 80
 Ser Leu Pro Trp Thr Phe Thr Leu Asp Gly Pro Lys Val Thr Ala Thr
 85 90 95
 His Gly Gln Arg Thr Leu Lys Gly Glu Val Val Tyr Asp Val Pro Ser
 100 105 110
 His His Cys His Ile Glu Lys Leu Glu Ser Gly Ala Tyr Asp Met Trp
 115 120 125
 Met Leu Glu Ala Gly Gly Leu Glu Val Asp Ile Glu Cys Cys Asn Lys
 130 135 140
 Arg Tyr Asp Glu Leu Thr Ser Gly Gln Val Val Ile Arg Pro Gln Asp
 145 150 155 160
 Lys Asp Cys

<210> 8
 <211> 163
 <212> PRT
 <213> Ornithodoros savignyi

<400> 8
 Met Met Leu Val Leu Ala Thr Val Ile Leu Ser Phe Ser Ala Ser Thr
 1 5 10 15
 Ala Leu Ala Asp Cys Pro Thr Gly Lys Pro Thr Asp Ala Tyr Val Ala
 20 25 30
 Phe Asn Glu Gly Gln Gly Ala Tyr Ile Leu Val Lys Ser Thr Asp Leu
 35 40 45
 Asp Ala Arg Asp Cys Leu Lys Gly Ser Ala Thr Gly Lys Lys Glu Gly
 50 55 60
 Asn Lys Val Pro Val Met Met Ala Phe Lys Asn Glu Gly Gln Trp Val
 65 70 75 80
 Ser Leu Pro Trp Thr Phe Thr Leu Asp Gly Pro Lys Val Thr Ala Thr
 85 90 95
 Asp Gly Gln Arg Thr Leu Lys Arg Glu Val Val Tyr Asp Val Ala Ser
 100 105 110
 His His Cys His Val Glu Lys Leu Ala Ser Gly Ala Tyr Glu Met Trp
 115 120 125
 Met Leu Glu Ala Gly Gly Leu Glu Val Asp Ile Glu Cys Cys Asn Lys
 130 135 140
 Lys Tyr Asp Glu Leu Thr Ser Gly Gln Val Val Ile Arg Pro Gln Asp
 145 150 155 160
 Lys Asp Cys

2488-1-012PCTUS Sequence Listing.txt

<210> 9
<211> 171
<212> PRT
<213> Ornithodoros moubata

<400> 9
Met Met Leu Val Leu Thr Thr Leu Ile Phe Ser Phe Ser Ala Ser Ile
1 5 10 15
Ala Tyr Ala Gln Ser Gly Cys Ser Val Ser Asp Pro Leu Asp Ala Leu
20 25 30
Lys Ala Phe Lys Asp Gly Ala Gly Thr Phe Leu Leu Gln Lys Ser Thr
35 40 45
Asp Pro Gln Ala Arg Asp Cys Leu Lys Gly Thr Pro Asn Gly Asn Arg
50 55 60
Asp Gly Asn Thr Leu Pro Val Thr Met Thr Tyr Lys Asp Asp Ser Lys
65 70 75 80
Trp Val Ser Leu Asn Trp Met Phe Thr Leu Glu Gly Ala Asn Ile Val
85 90 95
Ala Thr Leu Glu Gly Lys Arg Lys Gln Arg Gly Glu Leu Val Tyr Asp
100 105 110
Val Gln Ser His Asp Cys His Ile Thr Lys Leu Ser Ser Gly Val Tyr
115 120 125
Gln Gln Trp Gln Ser Asn Gly Ser Ala Asp Asp Lys Asp Ile Lys Cys
130 135 140
Cys Asp Glu Lys Phe Lys Glu Leu Thr Ser Gly Ile Asp Tyr Thr Lys
145 150 155 160
Pro Gln Glu Lys Gly Cys Glu Thr Ser Ala Lys
165 170

<210> 10
<211> 18
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Oligonucleotide

<400> 10
taatacgact cactata 18
tag

<210> 11
<211> 18
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Oligonucleotide

<400> 11
aattaaccct cactaa 18
aag

<210> 12
<211> 21
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Oligonucleotide

<220>
<221> variant
<222> (5)...(5)

2488-1-012PCTUS Sequence Listing.txt

<223> w is a or t

<220>

<221> variant

<222> (6)...(6)

<223> s is c or g

<220>

<221> variant

<222> (7)...(7)

<223> n is a, c, g, or t

<220>

<221> variant

<222> (10)...(10)

<223> n is a, c, g, or t

<220>

<221> variant

<222> (11)...(11)

<223> w is a or t

<220>

<221> variant

<222> (12)...(12)

<223> s is c or g

<220>

<221> variant

<222> (13)...(13)

<223> n is a, c, g, or t

<220>

<221> variant

<222> (16)...(16)

<223> r is a or g

<220>

<221> variant

<222> (19)...(19)

<223> n is a, c, g, or t

<400> 12

gtacwsnggn wsngarccng t

21

<210> 13

<211> 18

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic Oligonucleotide

<400> 13

gggaggcttt ctgtatcc

18

<210> 14

<211> 17

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic Oligonucleotide

2488-1-012PCTUS Sequence Listing.txt

<400> 14
cgtccaatcg gttgaag 17

<210> 15
<211> 18
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Oligonucleotide

<400> 15
gactcgcaaa gtcatcac 18

<210> 16
<211> 30
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Oligonucleotide

<400> 16
atagagctca aatgctgg tttggtgacc 30

<210> 17
<211> 55
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Oligonucleotide

<400> 17
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<210> 18
<211> 34
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Oligonucleotide

<400> 18
actgagcggc cgcctagcag tccttgagat gggg 34

<210> 19
<211> 17
<212> PRT
<213> Ornithodoros moubata

<220>
<223> Synthetic peptide

<220>
<221> misc_feature
<222> (6)...(6)
<223> Xaa is any amino acid sequence

<400> 19
Asp Ser Glu Ser Asp Xaa Ser Gly Ser Glu Pro Val Asp Ala Phe Gln

